Abstract

Combinatorial active compound synthesis and its intermediates

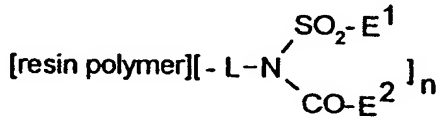
The invention relates to a resin-bound synthesis process for the preparation of chemical compounds of the formula (I)

$$R^1\text{-}SO_2\text{-}NH\text{-}CO\text{-}R^2 \qquad (I)$$

in which R^1 and R^2 each are an organic radical, which comprises

a) reacting a resin-linker compound of the formula [resin polymer]-$[L\text{-}Nuc]_n$ (II) in which nucleofugic groups Nuc are bonded to a resin [= resin polymer] via the linker L, with an acylsulfonamide of the formula $E^1\text{-}SO_2\text{-}NH\text{-}CO\text{-}E^2$ (III) in which E^1 and E^2 independently of one another in each case are an organic radical suitable for the preparation of the radicals R^1 and R^2 in compound (I),

in the presence of a condensing agent to give a resin-bound adduct of the formula (IV)



(IV)

in which [resin polymer], L, n, E^1 and E^2 are as defined in formula (II) or formula (III),

b) derivatizing the adduct (IV) obtained in one or more further reaction steps on the organic radicals E^1 or E^2 to give the radicals R^1 or R^2, and

c) cleaving the compound of the formula (I) from the resin-linker adduct of the formula (IV") obtained.